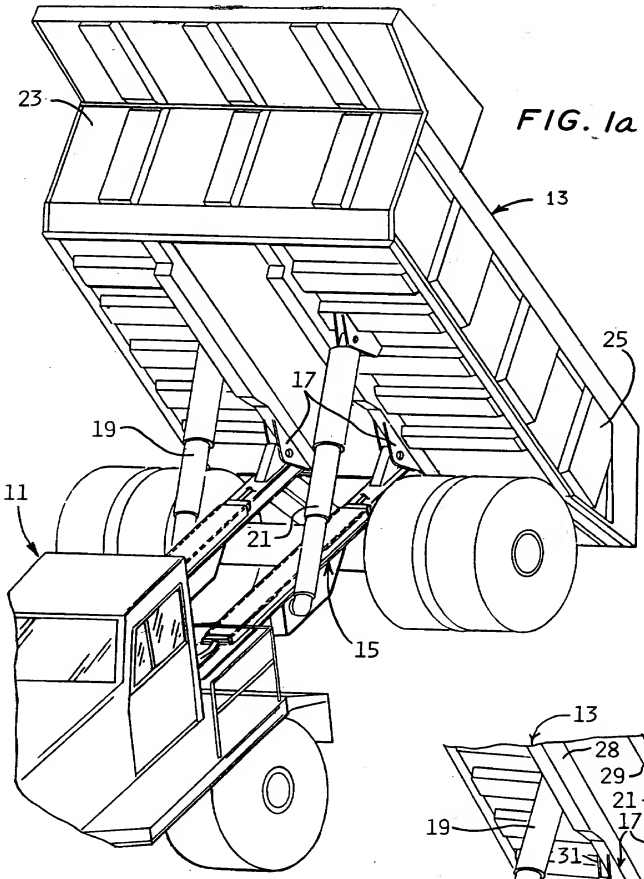


FIG. 1a

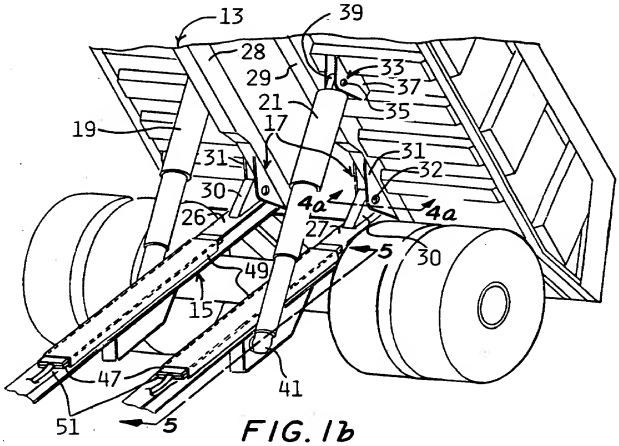


FIG. 1b

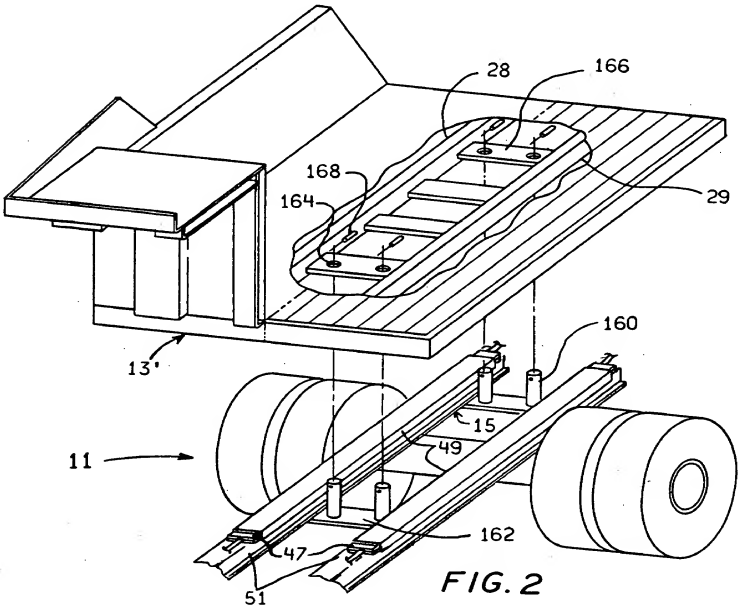


FIG. 2

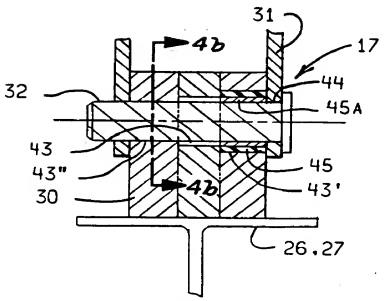


FIG. 4a

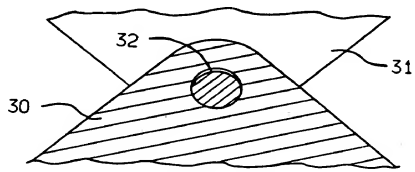


FIG. 4b

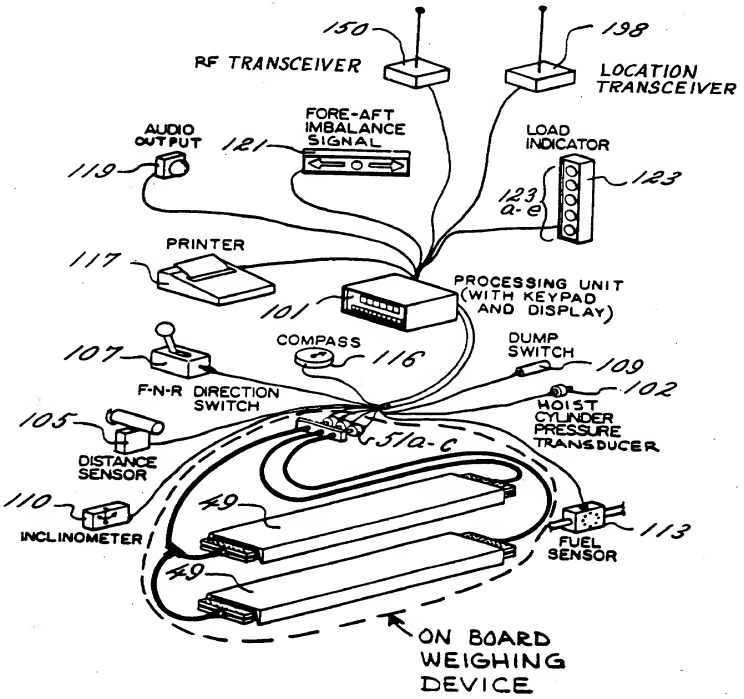


FIG. 3

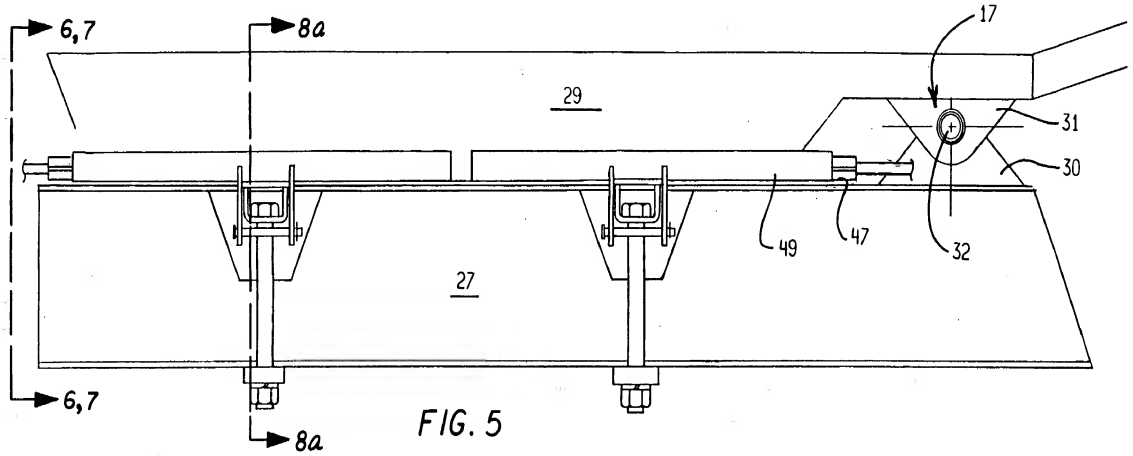


FIG. 5

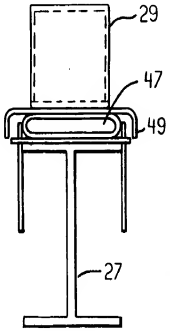


FIG. 6

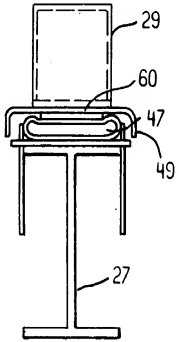


FIG. 7

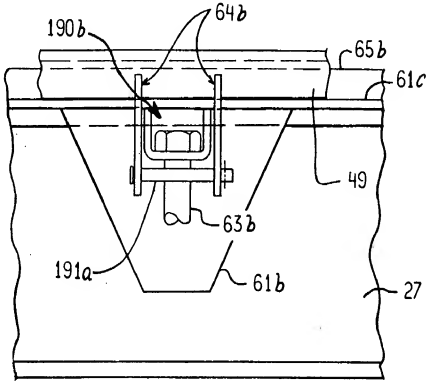


FIG. 8b

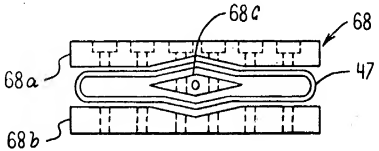


FIG. 9b

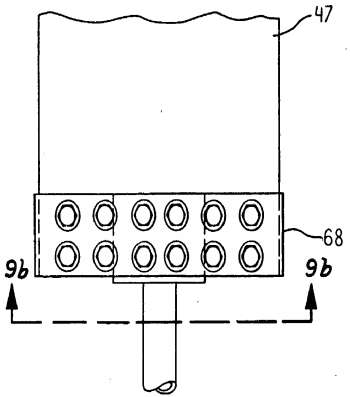


FIG. 9a

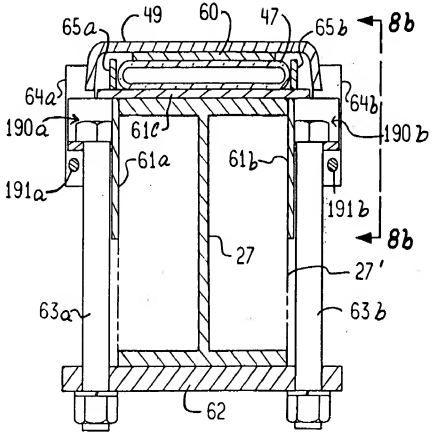


FIG. 8a

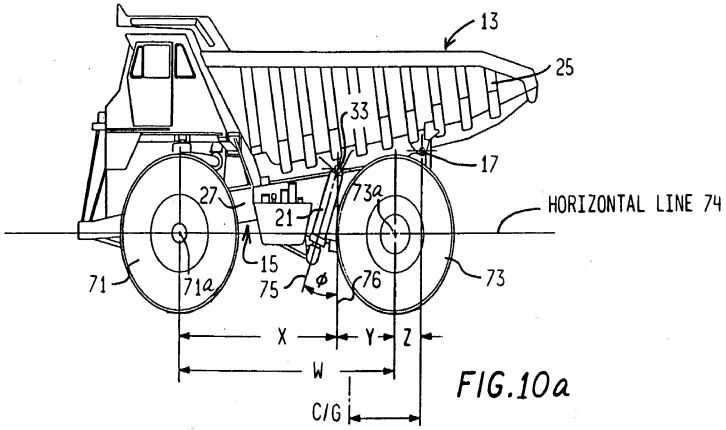


FIG.10a

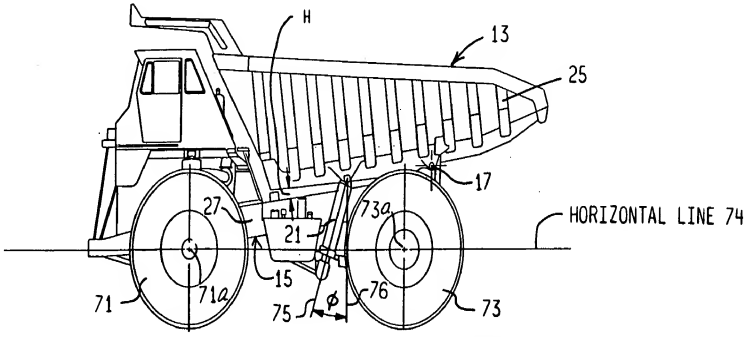


FIG.10b

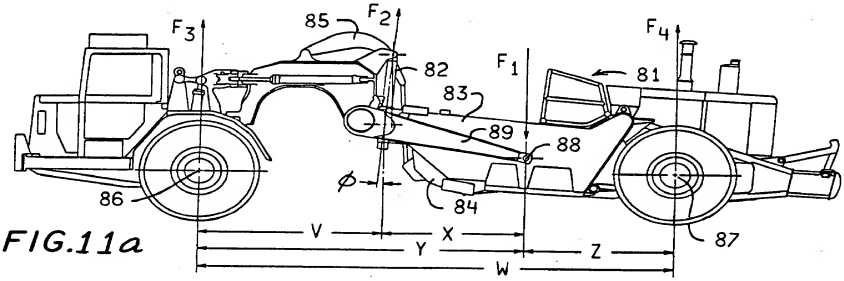


FIG.11a

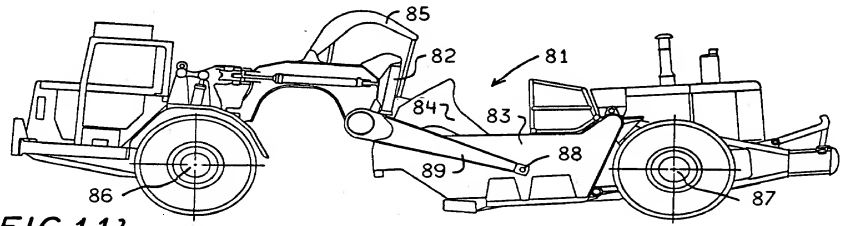


FIG.11b

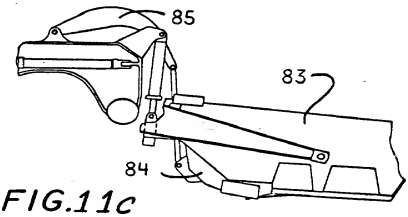


FIG.11c

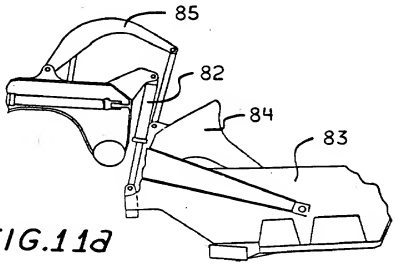


FIG.11d

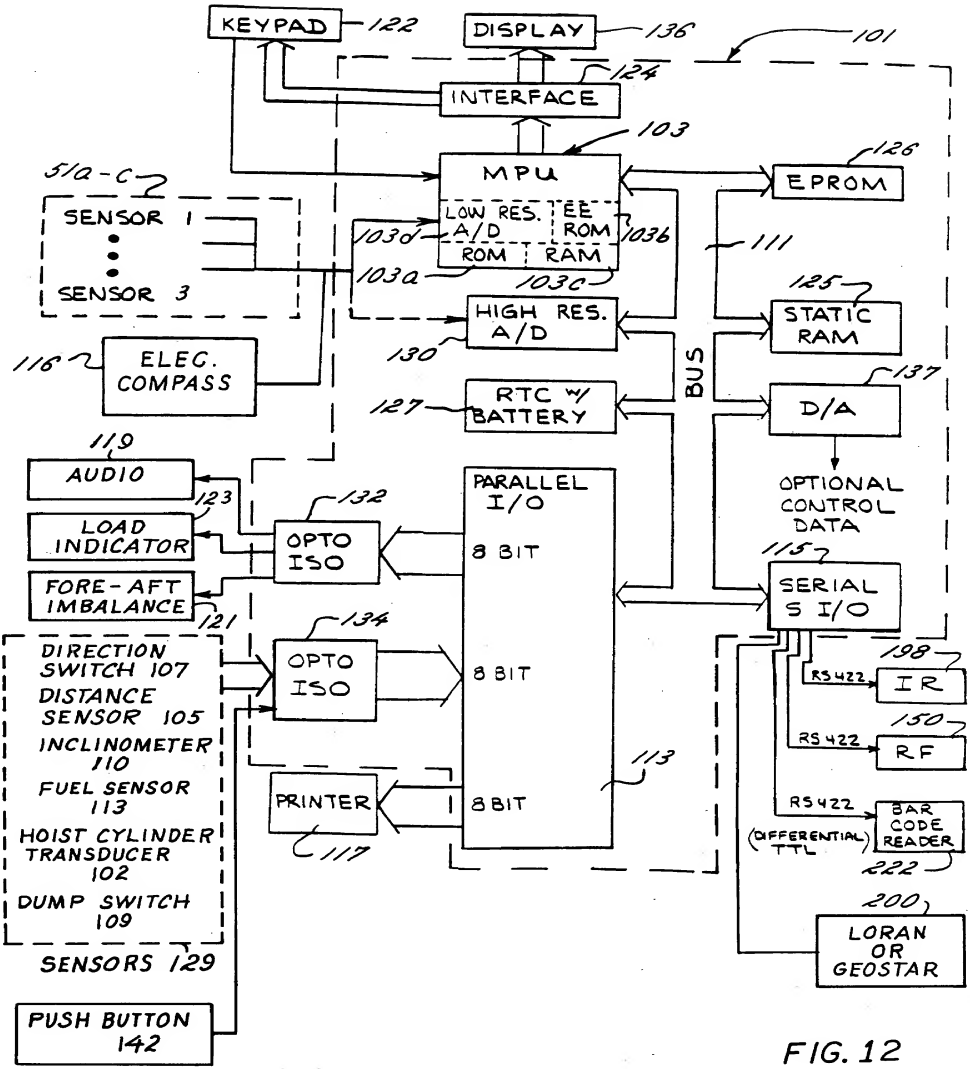


FIG. 12

RAM 125

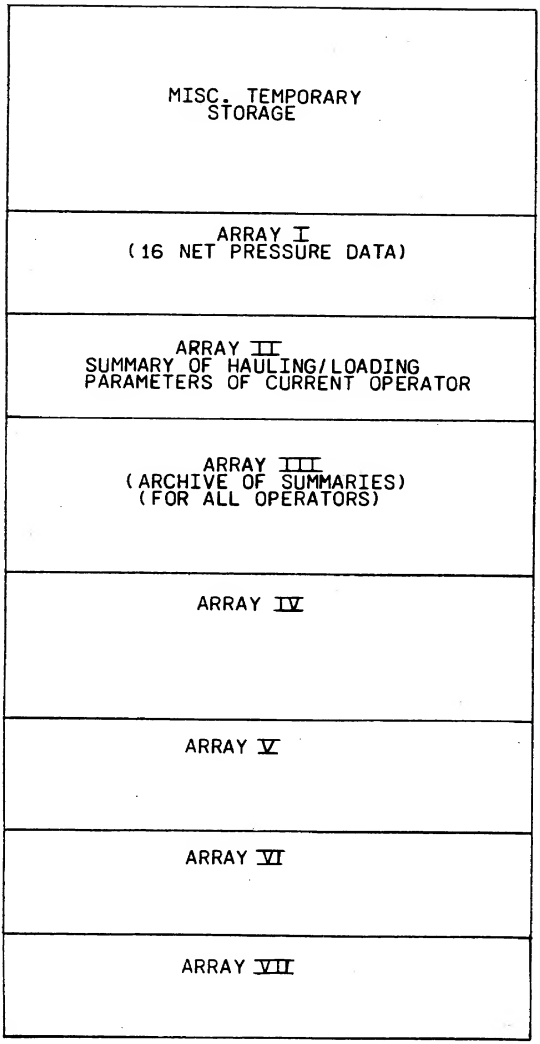


FIG. 13

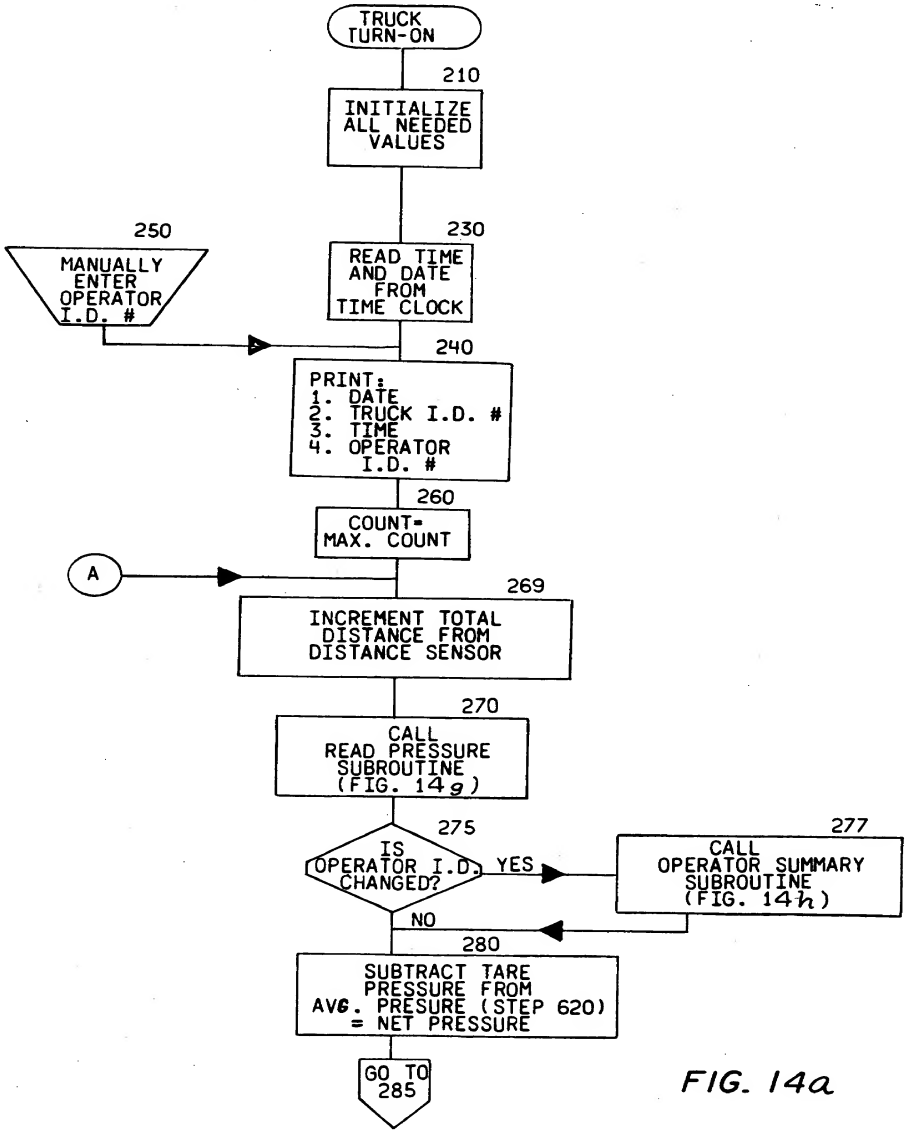


FIG. 14a

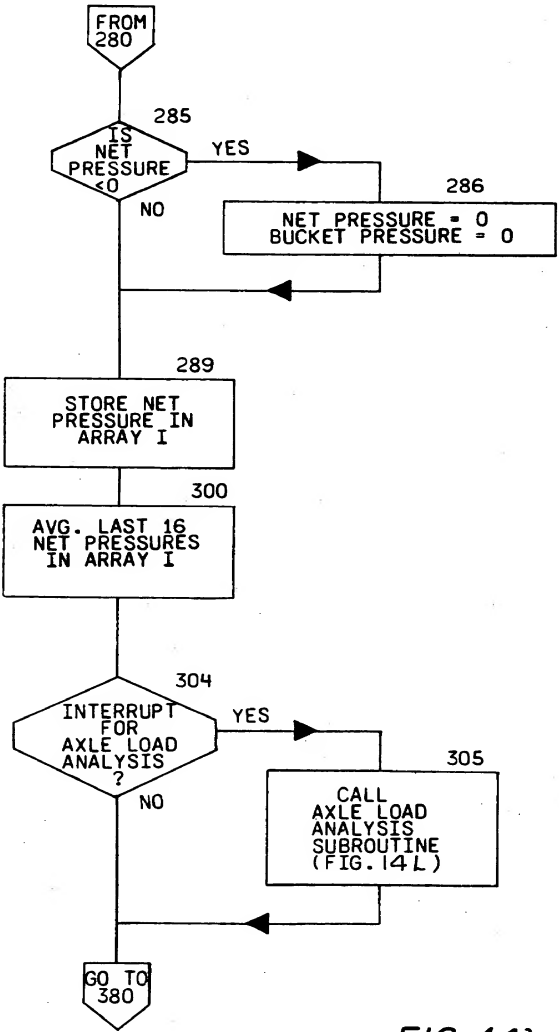


FIG. 14b

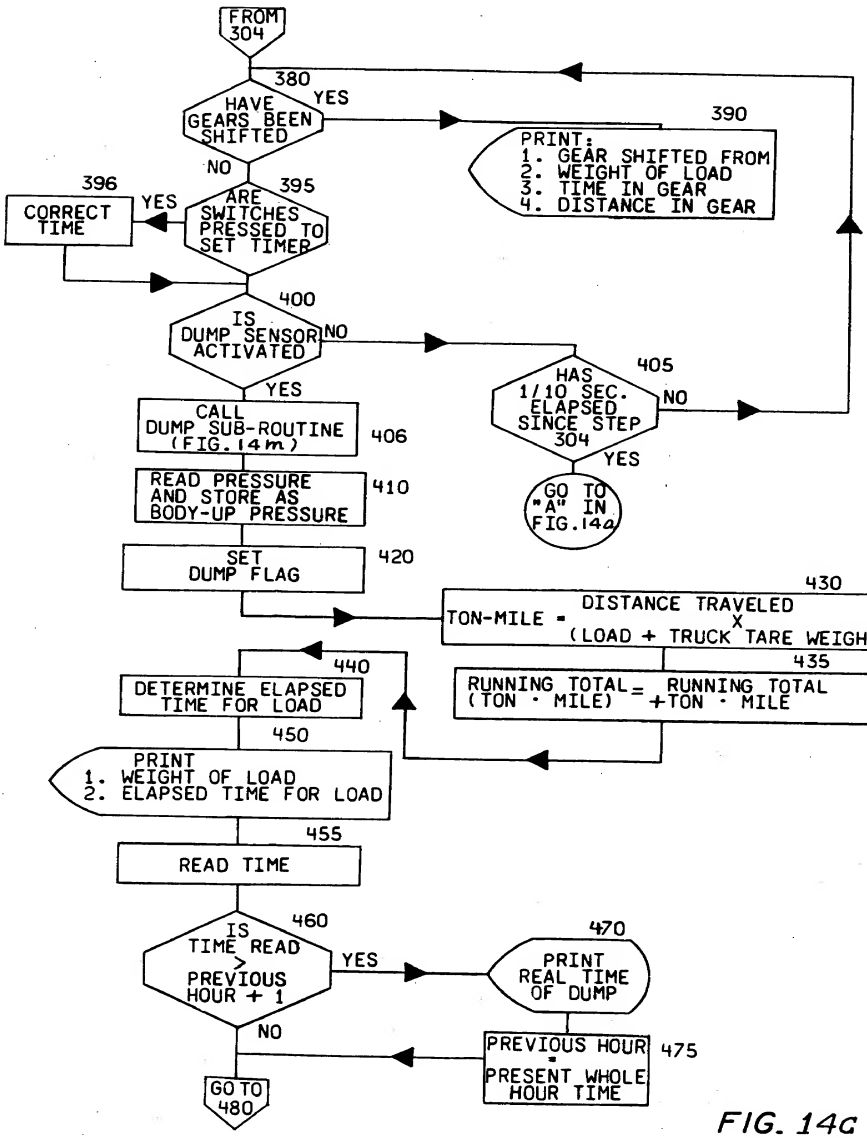


FIG. 14c

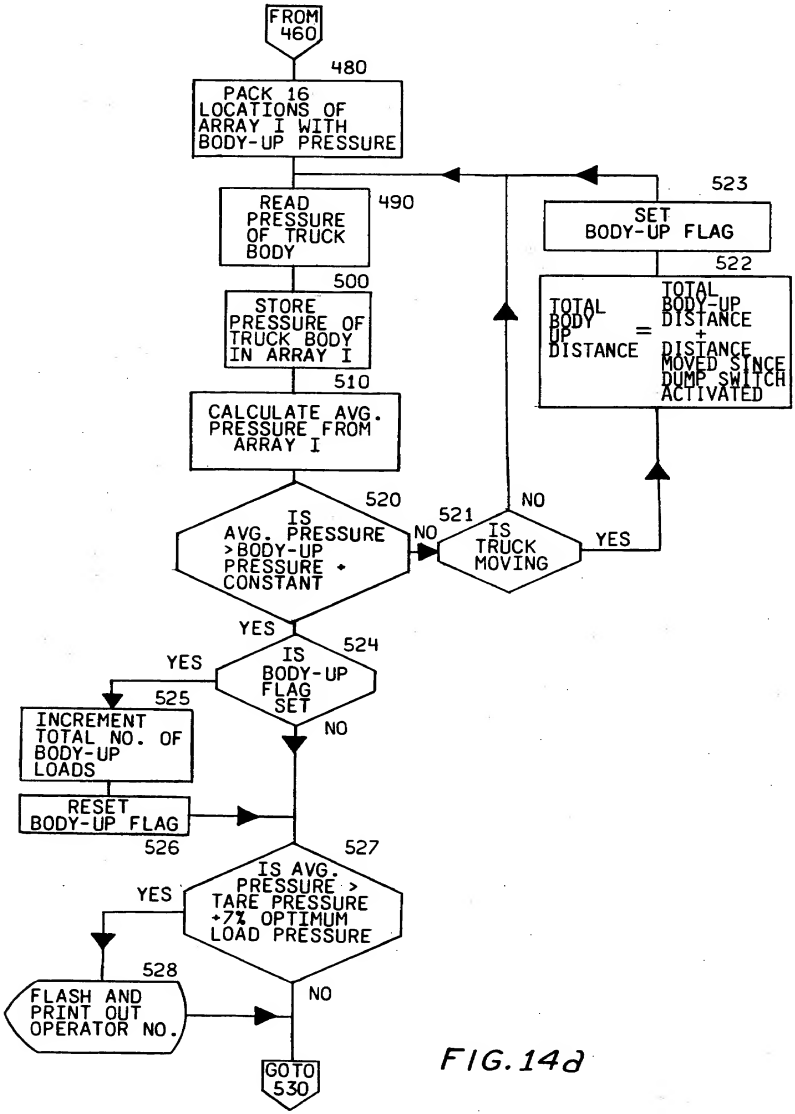


FIG. 14d

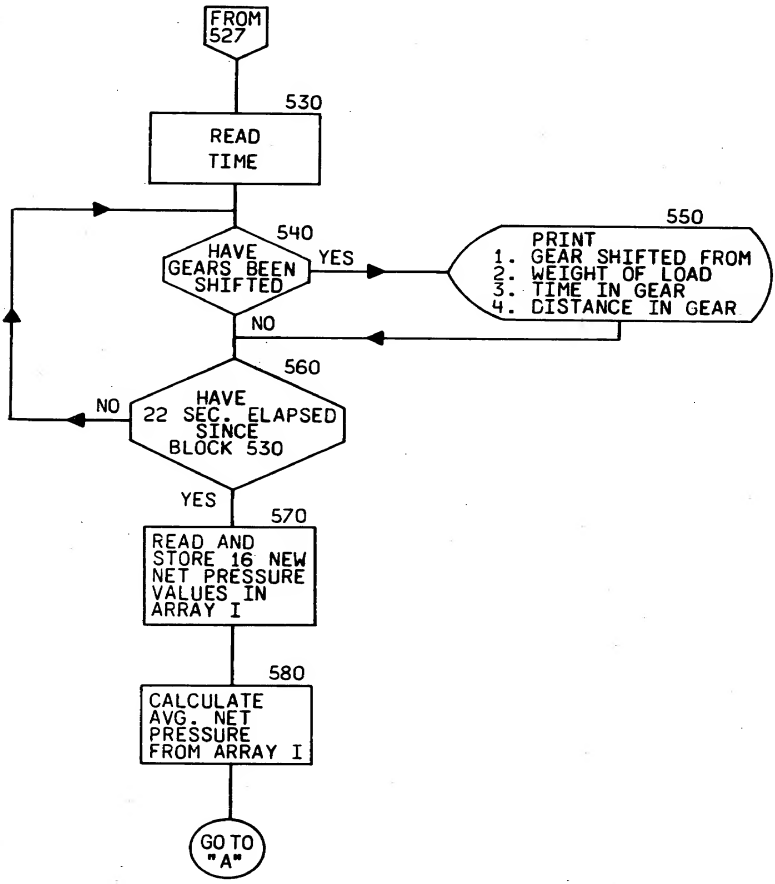


FIG. 14e

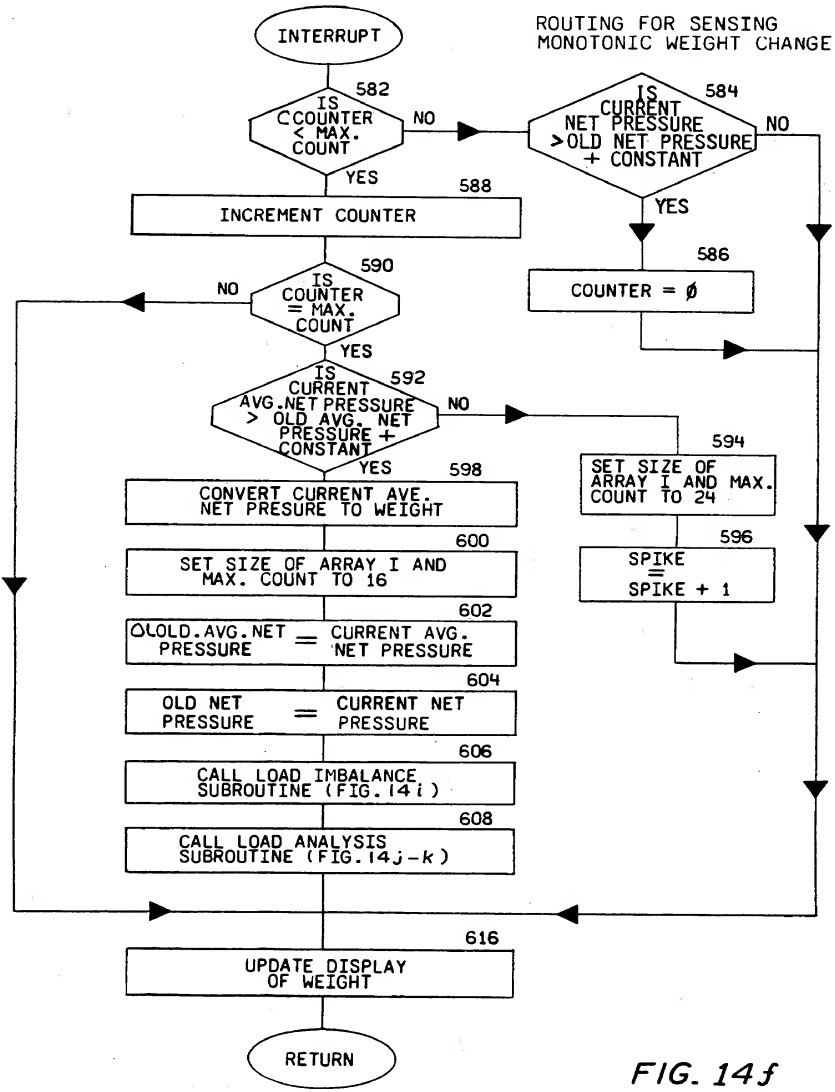
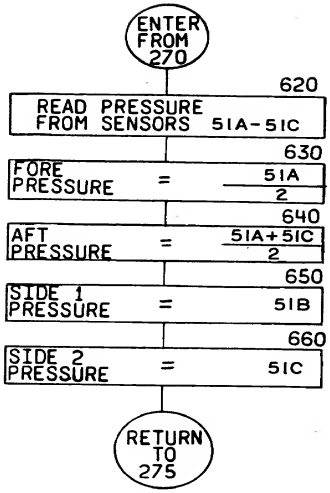


FIG. 14f



READ PRESSURE SUBROUTINE

FIG. 14g

OPERATOR NO. CHANGE SUBROUTINE

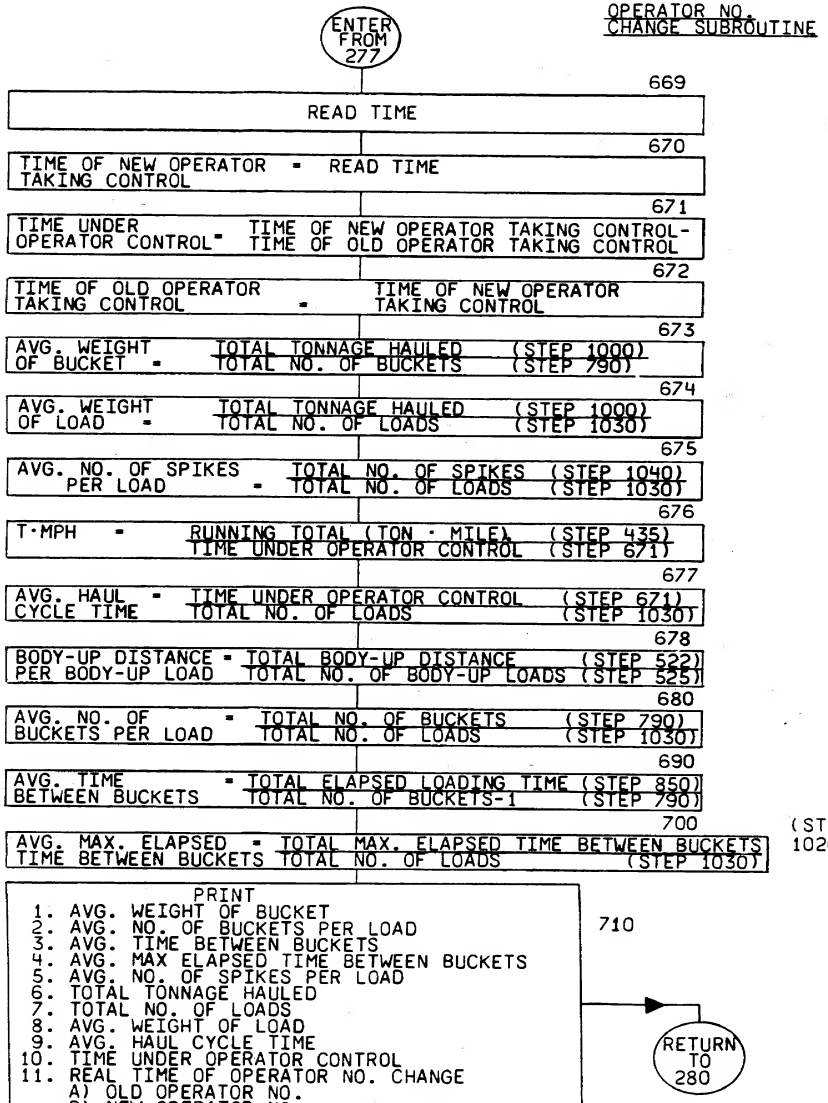


FIG. 14h

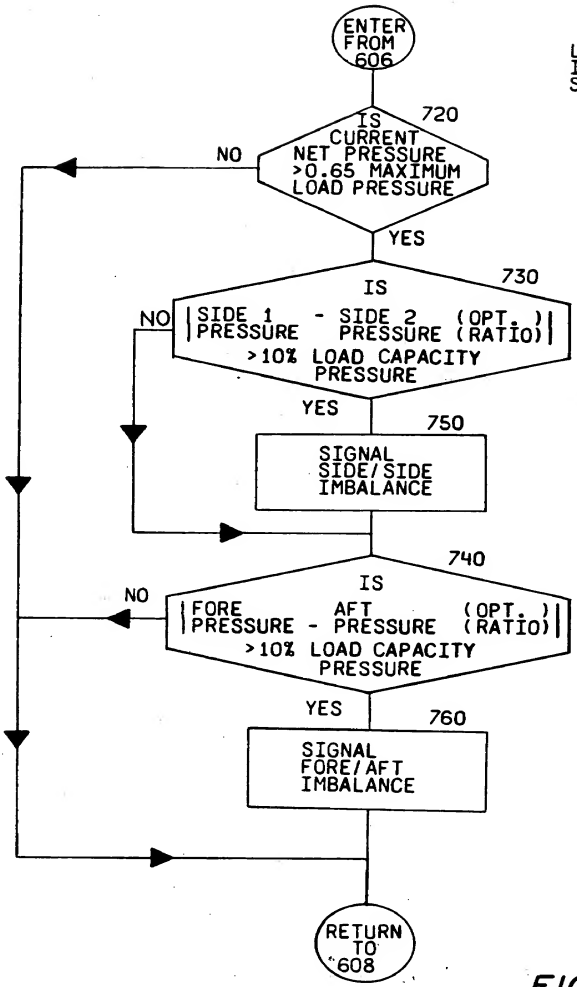


FIG. 14i

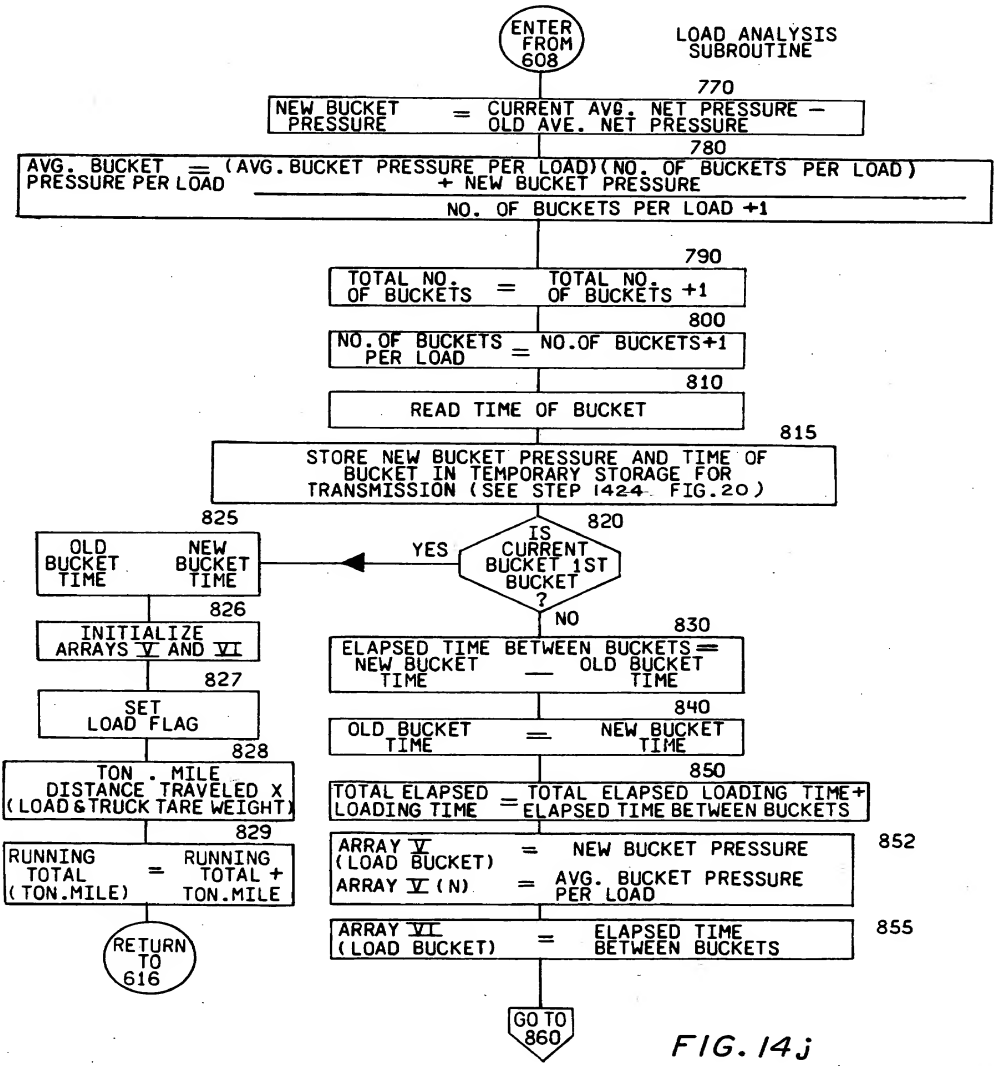


FIG. 14j

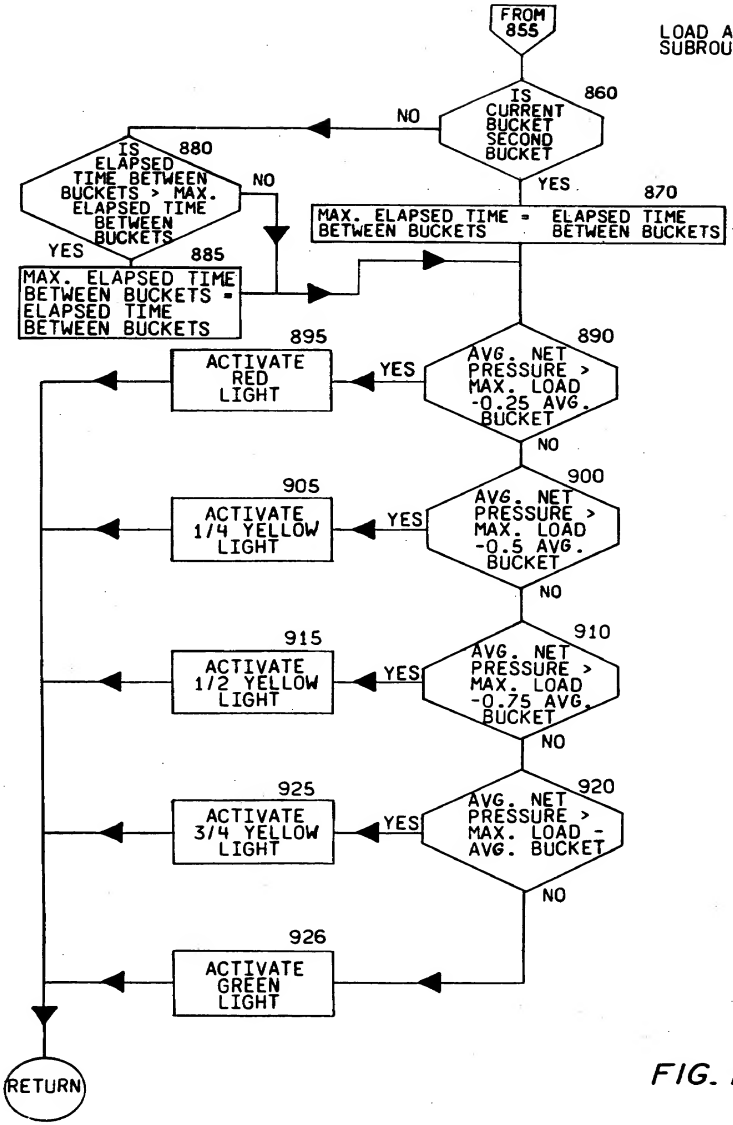


FIG. 14k

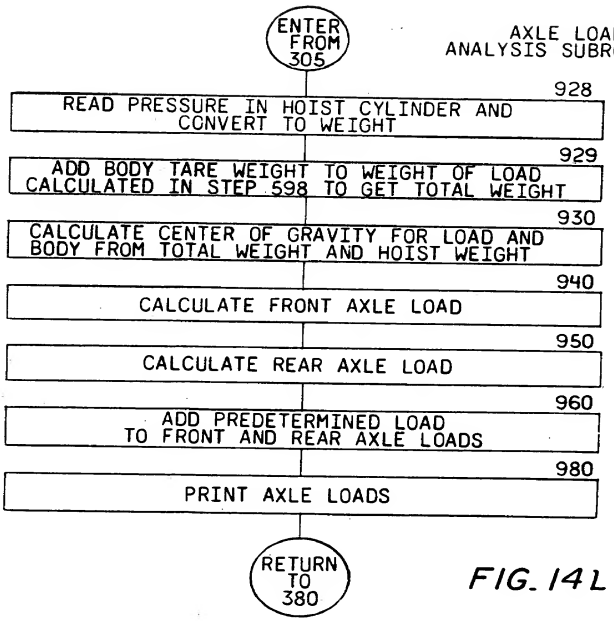


FIG. 14L

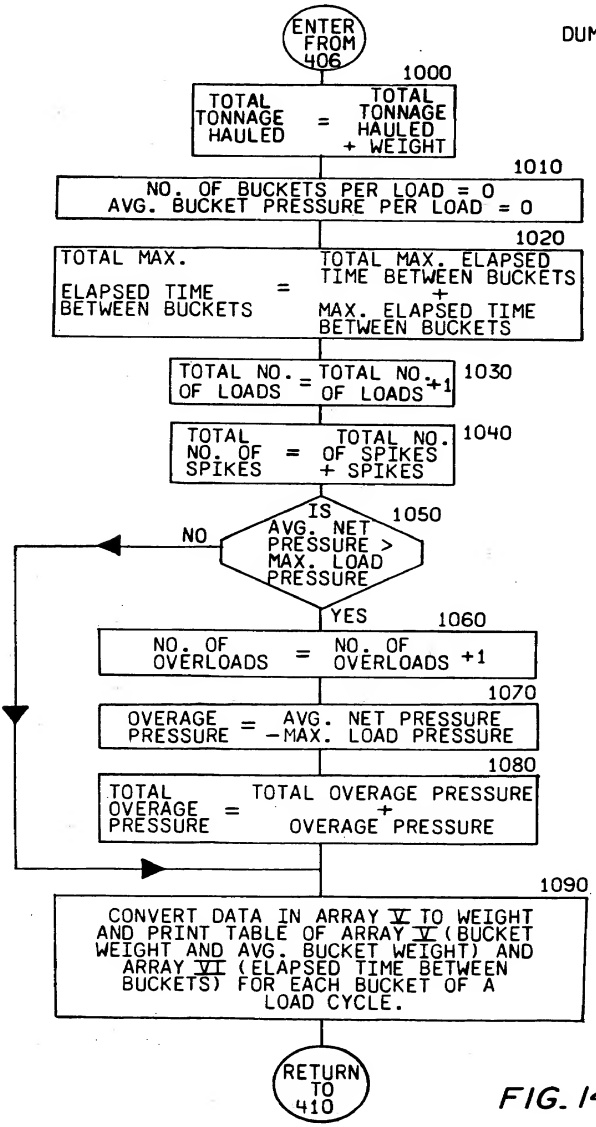


FIG. 14m

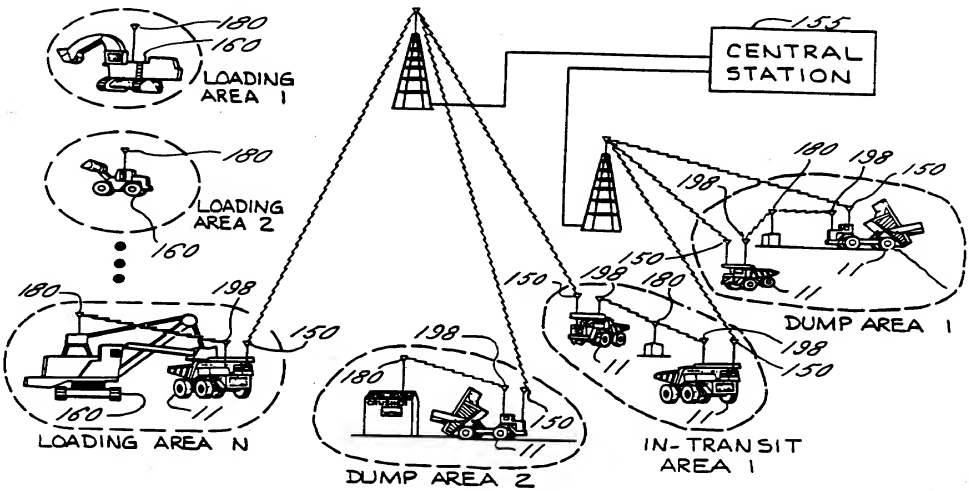


FIG. 15a

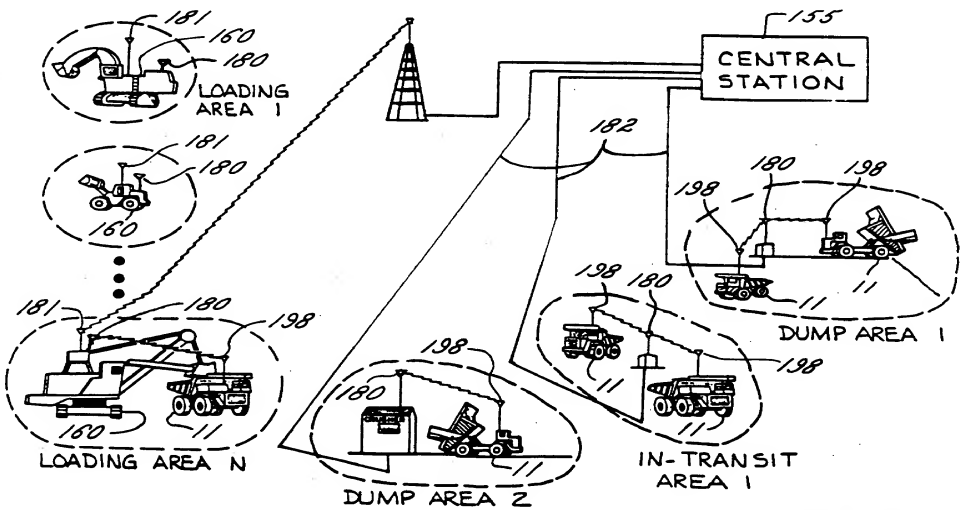


FIG. 15b

FROM FIELD EQUIPMENT TO CENTRAL STATION

SYNC.	EQUIPMENT NO.	RAW DATA STREAM

FIG. 16a

FROM CENTRAL STATION TO FIELD EQUIPMENT

SYNC.	EQUIPMENT NO.	CONTROL DATA

FIG. 16b

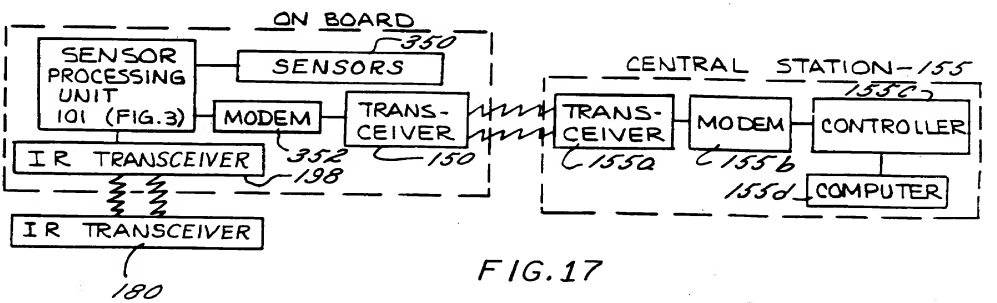


FIG. 17

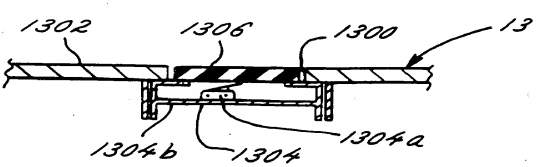


FIG. 18

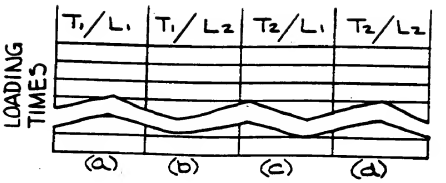


FIG. 19a

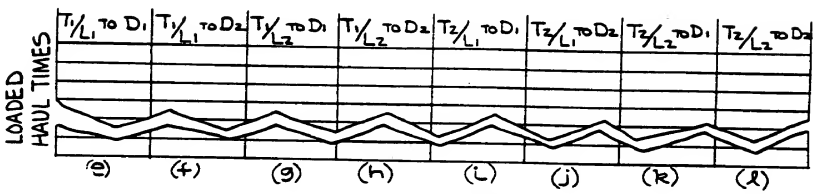


FIG. 19b

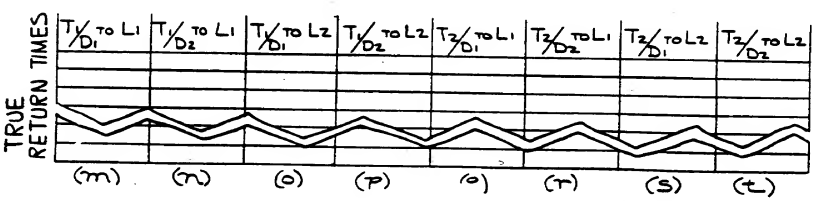


FIG. 19c

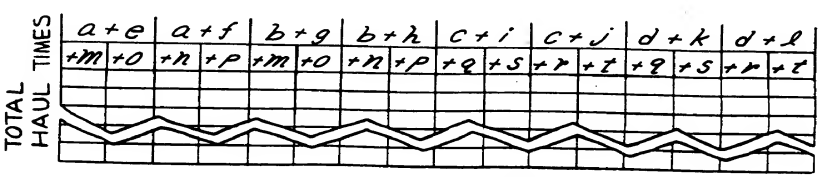


FIG. 19d

KEY TO FIGURES

T_1 = 1ST TYPE OF VEHICLE
T_2 = 2ND TYPE OF VEHICLE
L_1 = 1ST LOADING AREA
L_2 = 2ND LOADING AREA
D_1 = 1ST DUMP AREA
D_2 = 2ND DUMP AREA

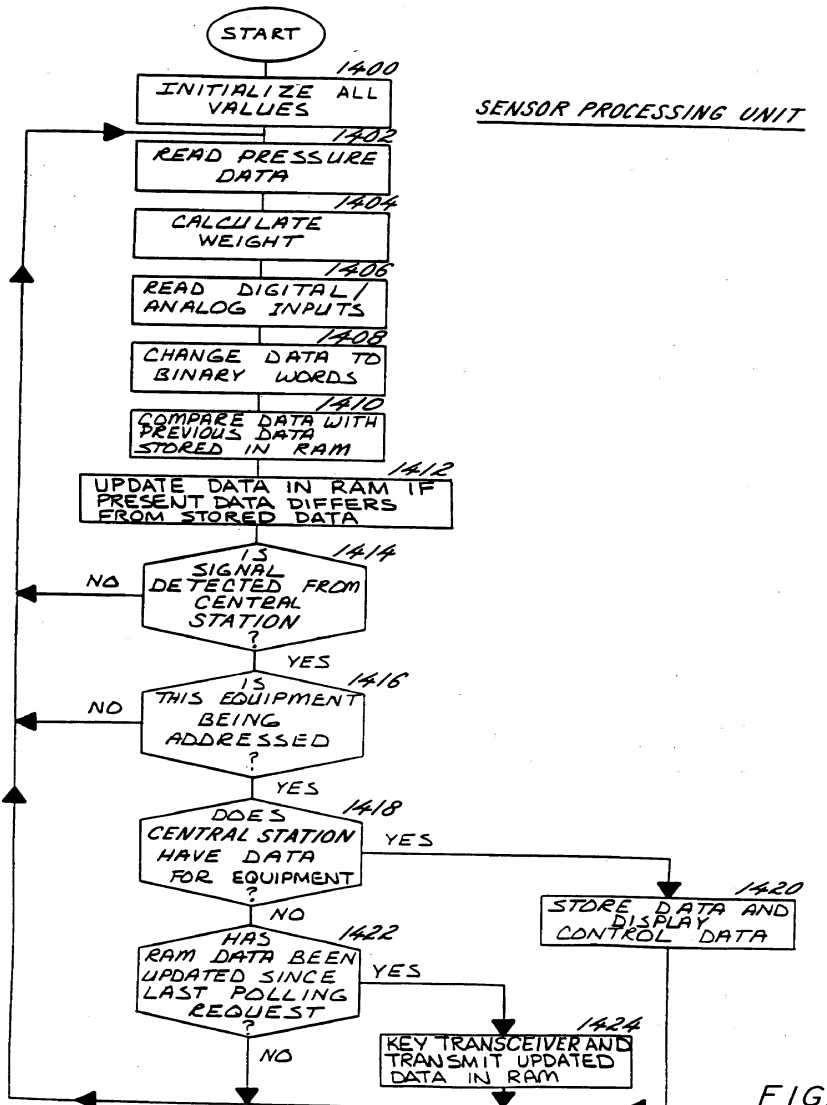


FIG. 20

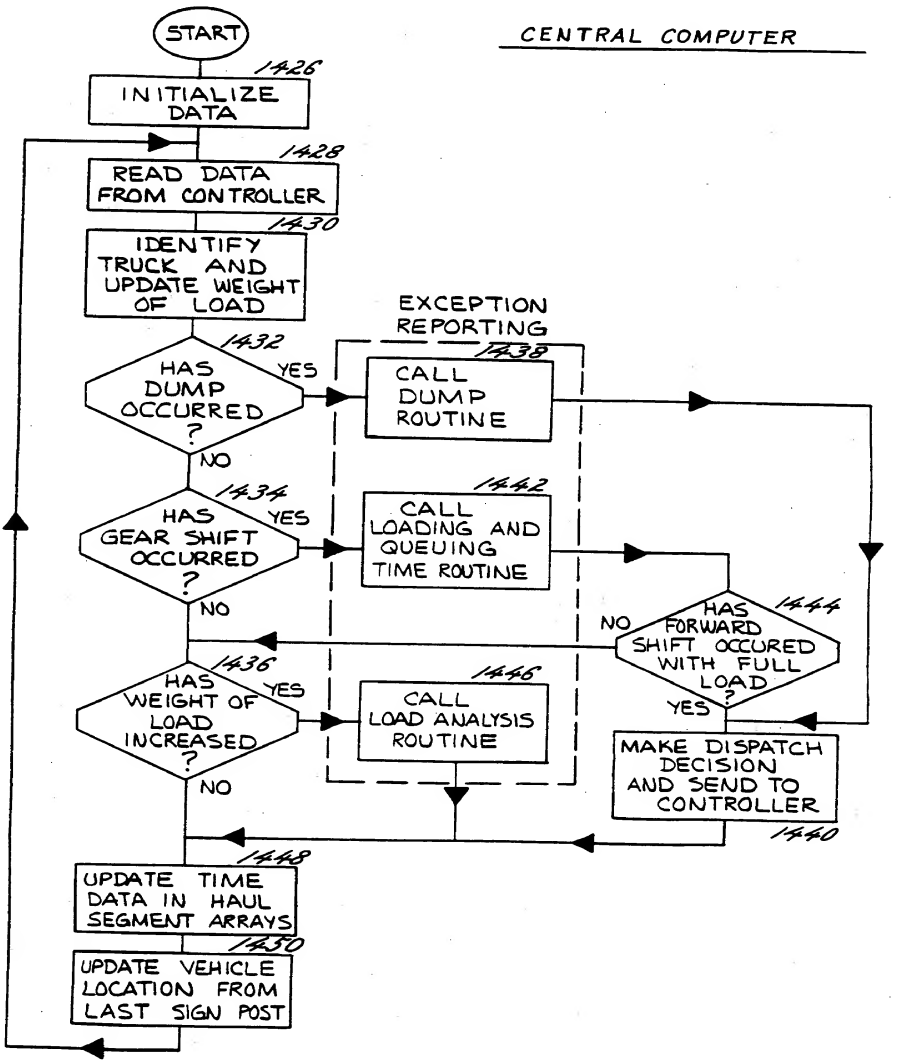


FIG. 21

DUMP ROUTINE

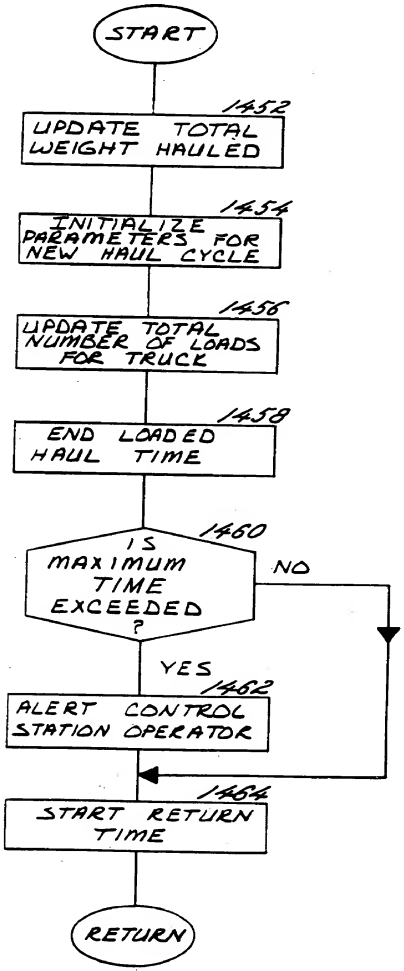


FIG. 22

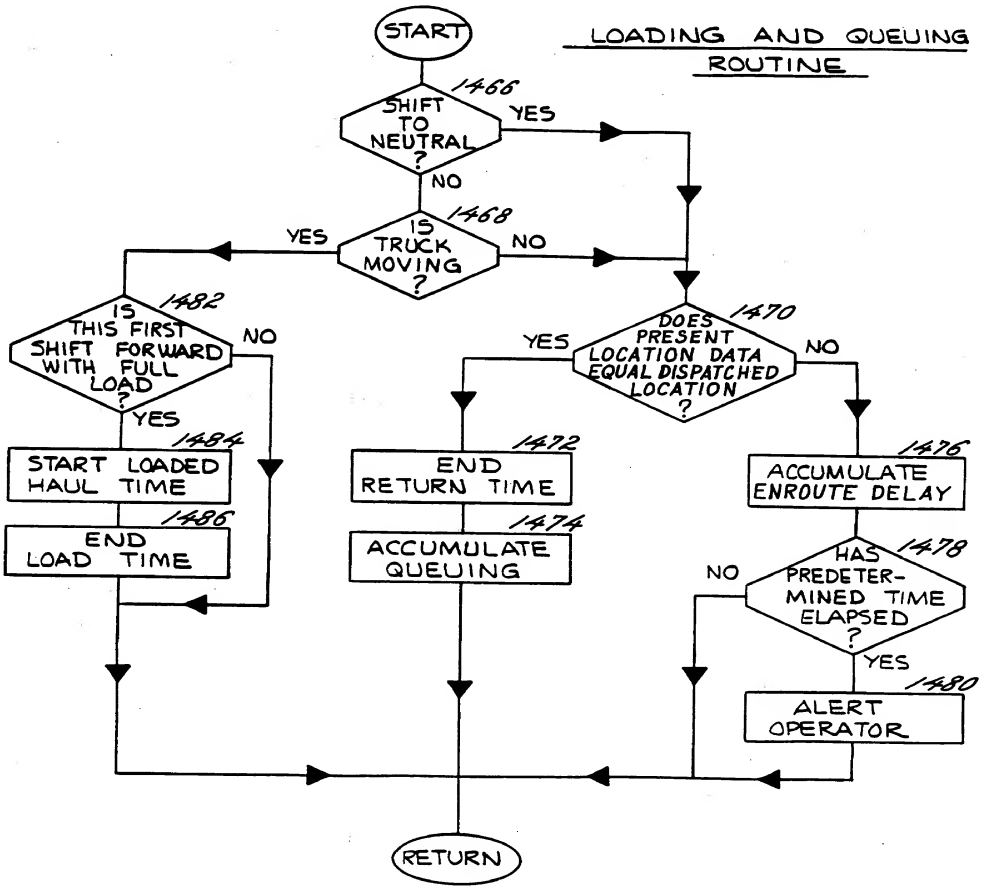


FIG. 23

LOAD ANALYSIS ROUTINE

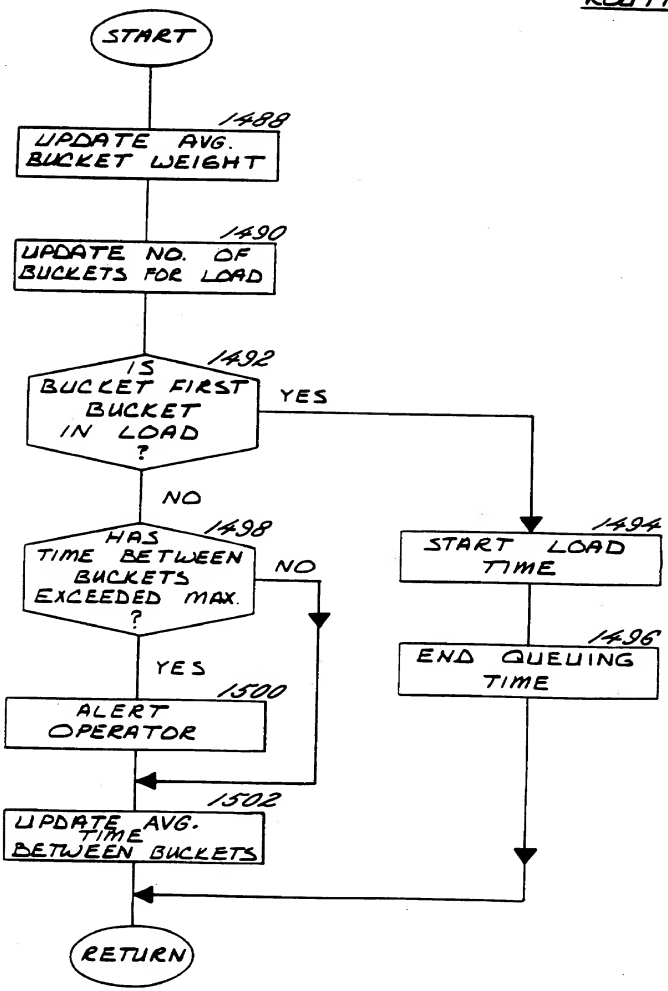


FIG. 24

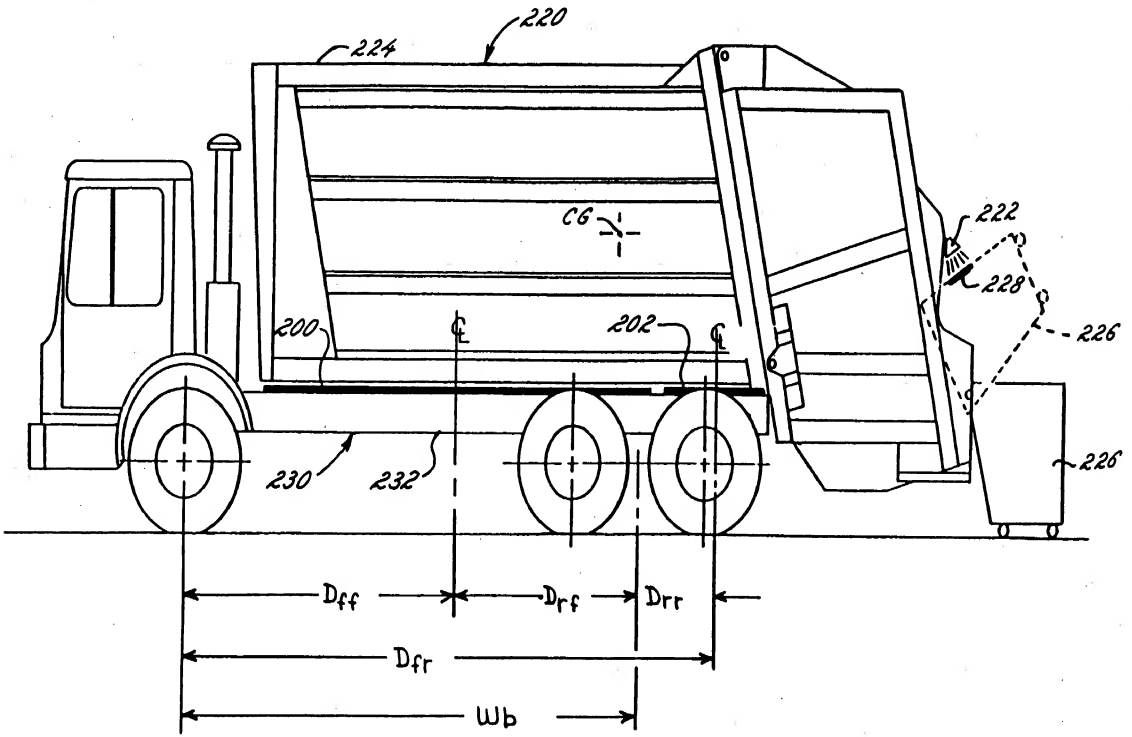


FIG. 25

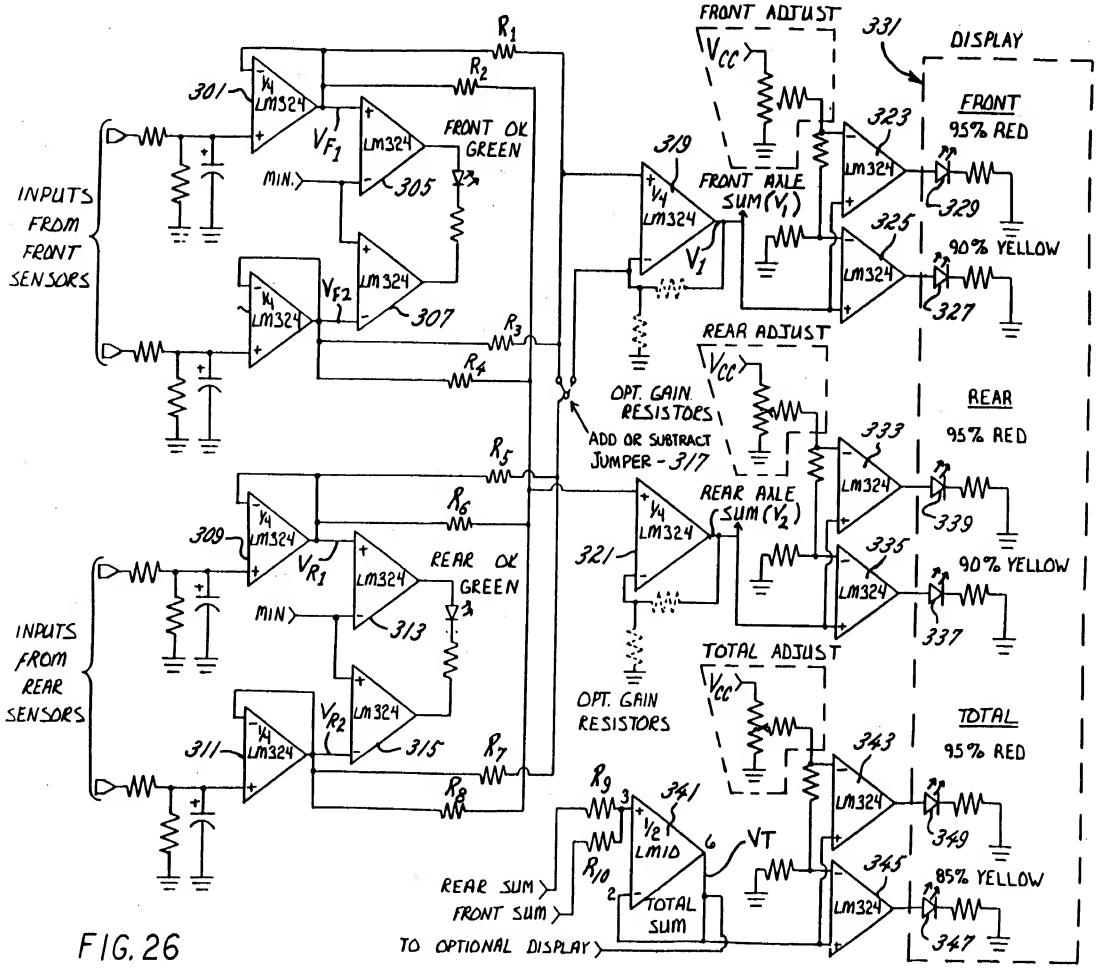

INPUTS FROM FRONT SENSORS
INPUTS FROM REAR SENSORS
301
309
311
LM324
V_{F1}
V_{F2}
V_{R1}
V_{R2}
MIN.
FRONT OK GREEN
REAR OK GREEN
305
307
313
315
R_1
R_2
R_3
R_4
R_5
R_6
R_7
R_8
R_9
R_{10}
FRONT ADJUST
V_{CC}
REAR ADJUST
TOTAL ADJUST
OPT. GAIN RESISTORS
ADD OR SUBTRACT JUMPER - 317
319
321
FRONT AXLE SUM (V_1)
REAR AXLE SUM (V_2)
V_1
331
DISPLAY
FRONT
95% RED
90% YELLOW
REAR
95% RED
90% YELLOW
TOTAL
95% RED
85% YELLOW
323
325
327
329
333
335
337
339
343
345
347
349
341
LM10
TOTAL SUM
VT
REAR SUM
FRONT SUM
TO OPTIONAL DISPLAY

FIG. 26

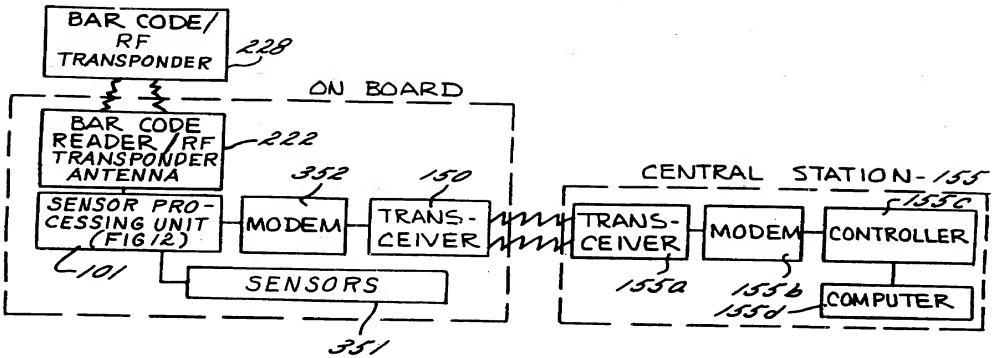


FIG. 27